

BAY AREA TOLL AUTHORITY

Regional Measure 1
Toll Bridge Projects

Project Monitoring Program

DECEMBER 2003 PROGRESS REPORT



Metropolitan Transportation
Commission

Bay Area Toll Authority

Released January 2004



Bay Area Toll Authority/Metropolitan Transportation Commission

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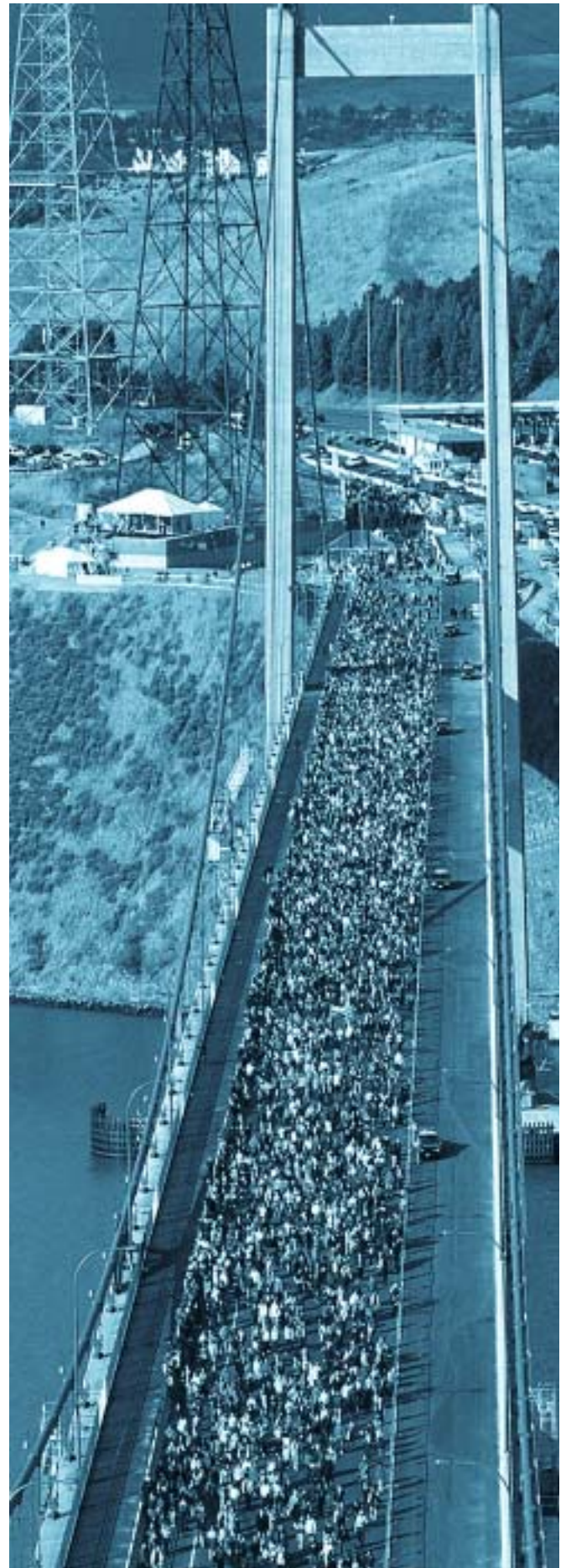
Prepared for
Metropolitan Transportation
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Bay Area Toll Authority

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Prepared by
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The following information is provided in accordance with California Government code Section 7550:

This document is one of a series of reports prepared for the Bay Area Toll Authority (BATA)/Metropolitan Transportation Commission (MTC) for the Regional Measure 1 Toll Bridge Program. The contract value for the monitoring efforts, technical analysis, and field site work which contribute to these reports, as well as the report preparation and production, is \$3,068,993.00.

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REGIONAL MEASURE 1 TOLL BRIDGE PROJECTS



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REGIONAL MEASURE 1 TOLL BRIDGE PROGRAM

In November 1988, Bay Area voters approved Regional Measure 1 (RM 1) and authorized a standard auto toll of \$1 for all seven state-owned Bay Area toll bridges. The additional revenues generated by the toll increase were identified for use for certain highway and bridge improvements, public transit rail extensions, and other projects that reduce congestion on the bridges.

RM 1 identified nine specific bridge and highway improvement projects as eligible for funding from the toll increase. The projects identified by RM 1 and their status of development are depicted in the map on the facing page and can be itemized as follows:

Northern Bridge Group Projects:

1. Widening of the existing Benicia-Martinez Bridge (completed; not included in this report)
2. Construction of a new bridge parallel to the existing Benicia-Martinez Bridge
3. Replacement of the existing western span of the Carquinez Bridge (open to traffic)
4. Major rehabilitation of the existing Richmond-San Rafael Bridge
 - Trestle and fender rehabilitation
 - Deck rehabilitation
5. Construction of an eastern approach (Richmond Parkway) between the Richmond-San Rafael Bridge and Interstate 80 near Pinole (non-Caltrans project; completed)

Southern Bridge Group Projects:

1. Construction of the West Grand Avenue connector to the San Francisco-Oakland Bay Bridge (completed; not included in this report)
2. Widening of the existing San Mateo-Hayward Bridge and eastern approach to six lanes (completed)
3. Improvement of the Interstate 880/State Route 92 interchange
4. Improvements to the western approaches to the Dumbarton Bridge
 - US 101/University Avenue interchange reconstruction (non-Caltrans project; completed)
 - State Route 84 (Bayfront Expressway) widening (open to traffic).

MTC, BATA, AND THE CALIFORNIA STATE DEPARTMENT OF TRANSPORTATION (CALTRANS)

As the regional transportation planning agency for the San Francisco Bay Area, MTC is responsible for transportation planning, coordinating, and fund programming in the nine counties surrounding the Bay.

With SB 226, MTC, as the Bay Area Toll Authority (BATA), has also assumed certain duties previously held by the California Transportation Commission, including responsibilities for the programming, administration, and allocation of all toll revenues (excluding the seismic surcharge) from the state-owned toll bridges in the Bay Area.







Caltrans continues to be responsible for the ongoing operation of the state-owned bridges, including the collection of tolls, as well as the maintenance, rehabilitation, and capital improvement of the bridges.




PROJECT MONITORING PROGRAM

This report focuses on monitoring project cost and schedule performance for the Regional Measure 1 Toll Bridge Improvement Projects, as measured against approved budget and schedule milestones. The report provides comprehensive project status information at three levels of detail:

- Color-coded executive summary of Regional Measure 1 projects status (program level)
- Detailed status of individual bridge projects (project level)
- Supplemental project and contract information, including budget adjustments, approved construction change orders, and project and contract level cost data, in the appendices.

EXECUTIVE SUMMARY – STATUS OF REGIONAL MEASURE 1 PROJECTS

NORTHERN BRIDGE GROUP	COST	SCHEDULE
New Benicia-Martinez Bridge		
Carquinez Bridge Replacement		
Richmond-San Rafael Bridge Rehabilitation		







- Legend:**
-  Green = no variance to current budget/schedule
 -  Yellow = variance to current budget/schedule (trend), defined as follows:
For Cost: Project (BATA) contingency use may be required
For Schedule: Construction contract completion dates delayed by greater than 3 months
 -  Red = variance to current budget/schedule, defined as follows:
For Cost: Project budget change may be required
For Schedule: "New facility open to traffic" date delayed by greater than 3 months by non-weather-related issues




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EXECUTIVE SUMMARY – STATUS OF KEY ISSUES AND DEVELOPMENTS

- On the new bridge contract, pile driving is complete. The last pile was driven to tip at Pier 7 on December 16, 2003. Foundation rock socket installation continues. Rock socket installation was completed at Pier 16 on December 22, 2003 and is in progress per schedule at Pier 8. The precast footing for Pier 13 is complete at Mare Island; the precast footing for Pier 8 is near completion. The Pier 9 column is at full height with concrete placed for all three lifts. The second deck section, between Piers 2 and 3 on the Martinez end of the bridge, was poured on December 15, 2003.
 - Additional costs and delay continue to be expected on this contract in regards to installation of rock sockets, modifications to the superstructure design, and additional support costs. Caltrans is working with the design engineers and the contractor to resolve the design/construction issues. Caltrans will report to BATA as the issues are clarified.
 - On the I-680/I-780 interchange contract, foundation and concrete operations continue. On the I-780 to I-680 connector overpass, superstructure formwork is in place from Abutment 9 to Abutment 1 over existing traffic on I-680 and I-780. Superstructure soffit and stem concrete is complete to Bent 5. Deck concrete was placed between Abutment 9 and Bent 7 on December 30, 2003. Foundation pile and rock socket installation continue at Bent 18 on the Benicia shoreline for the transition structure from the new bridge.
 - On the toll plaza contract, footings have been placed for the pipe supports at Bents 1 to 3. Concrete encasement of the mechanical duct continues between Bent 3 and the courtyard. On the Operations Building, installation of exterior windows and aluminum siding continues. On the building interior, electrical, plumbing, and ceiling installation continue on the lower and main levels. The courtyard area has been backfilled.
 - On the I-680/Marina Vista interchange contract, foundation and concrete operations continue on the Mococo overcrossing. At Bent 4, pile installation and four of five columns are complete. The second deck section was poured on December 15, 2003. The back wall to Abutment 9 has been formed and poured. Falsework is being erected between Abutment 1 and Bent 3. At the Mococo on-ramp, sheetpiles are in place for Abutment 1 through Bent 6. Foundation drilling and piles are complete at Abutment 1.
-
- On the replacement bridge contract, the opening celebration took place on November 8, 2003. The bridge opened to traffic on November 11, 2003. Painting of the underside of the deck and installing hand railing continue on the bridge. On the North Anchorage, earthwork continues on the east side of the bridge. Roadwork continues on the north side with the removal and grinding of existing asphalt pavement on the westbound approach.
 - The cost status code for the project is "yellow" due to construction claims and increasing support costs. Caltrans and Bechtel are reviewing these costs to determine funding impacts.
 - Construction completion for this contract is forecast for May 2004.
 - On the south approach and interchange contract, the I-80 Crockett Viaduct was opened to traffic on November 11, 2003. The on-ramp from Crockett to westbound I-80 was opened on December 9, 2003. Concrete operations continue for the westbound and eastbound on- and off-ramps. Roadway excavation for the future construction detour between the old bridge and the Toll Plaza is complete to grade level. Right-of-way fencing is complete for the project.
-
- On the trestle replacement, demolition and pile installation continue eastward along the interior and exterior of the existing eastbound and westbound trestles. Interior pile cleanout and concrete placement is in progress at Bents 25 and 26. Exterior pile installation has progressed to Bent 24. Pile caps are in place at Bents 1 through 12. Four precast deck sections have been installed on the westbound trestle.
 - The cost and schedule status codes for the project are "yellow" while Caltrans reevaluates the scope and schedule of the deck rehabilitation work. Rehabilitation of the deck cannot begin until the seismic work on the bridge is completed, currently forecast for 2005.

EXECUTIVE SUMMARY – STATUS OF REGIONAL MEASURE 1 PROJECTS

SOUTHERN BRIDGE GROUP	COST	SCHEDULE
San Mateo-Hayward Bridge Widening		
I-880/SR-92 Interchange Improvement		
Dumbarton Bridge West Approach Projects (Bayfront Expressway)		

- Legend:**
-  Green = no variance to current budget/schedule
 -  Yellow = variance to current budget/schedule (trend), defined as follows:
For Cost: Project (BATA) contingency use may be required
For Schedule: Construction contract completion dates delayed by greater than 3 months
 -  Red = variance to current budget/schedule, defined as follows:
For Cost: Project budget change may be required
For Schedule: “New facility open to traffic” date delayed by greater than 3 months by non-weather-related issues

- On the bridge-widening contract, both the new westbound and the reconstructed eastbound trestles are complete and fully operational. Caltrans has accepted the contract and is in the process of resolving claims and closing the contract. Although final settlement of outstanding claims may require utilization of project contingency, a project budget change is not anticipated.

- The Final Environmental Impact Statement Report (FEIS/R) was approved for the project by the Federal Highway Administration (FHWA) on December 29, 2003. A Record of Decision from FHWA is expected soon after the required 30 day comment period.
- Caltrans is currently preparing the plans, specifications, and estimates (PS&E) for the project. Sixty-five percent PS&E is forecast for completion in February 2004.
- Based on the delayed project delivery and the associated escalation cost, the status code for the project cost is "yellow." As the engineering design progresses, Bechtel will further review the cost estimates.

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COST STATUS SUMMARY (MILLION DOLLARS)

PROJECT	Baseline Budget (June 2000)	Current Budget (Dec 2003)	Current Forecast (Dec 2003)	Expended To Date (7/98 - 11/03)
<i>Northern Bridge Group</i>				
New Benicia-Martinez Bridge	586.0	652.8	904.8 ²	352.2
Carquinez Bridge Replacement	433.2	479.8	499.8	402.2
Richmond-San Rafael Bridge Rehabilitation				
➤ West Trestle and Fender Rehabilitation	45.4	35.4	35.4	21.6
➤ Deck Rehabilitation	53.4	53.4	53.4	0.3
Richmond Parkway (<i>Non-Caltrans</i>) ¹	5.9	5.9	5.9	2.4
SUBTOTAL – NBG	1,123.8	1,227.2	1,499.2	778.8
<i>Southern Bridge Group</i>				
San Mateo-Hayward Bridge Widening				
➤ Widening	203.6	217.5	217.5	194.7
➤ West Approach Replacement Planting	0.4	0.4	0.4	0.0
I-880/SR-92 Interchange Improvement	124.2	133.8	149.3	15.6
Dumbarton Bridge West Approach Projects				
➤ US-101/University Avenue Interchange Reconstruction (<i>Non-Caltrans</i>)	3.8	3.8	3.8	3.7
➤ Bayfront Expressway (SR-84) Widening	33.8	35.9	35.9	31.7
SUBTOTAL – SBG	365.7	391.4	406.9	245.7
GRAND TOTAL	1,489.5	1,618.6	1,906.1	1,024.5

¹ For the Richmond Parkway, values shown represent the portion funded by BATA.

² Due to project delays and other difficulties associated with deep water pile driving operations, project costs for the New Benicia-Martinez Bridge are expected to significantly exceed the budget.

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SCHEDULE STATUS SUMMARY

PROJECT	New Facility Open to Traffic Baseline (June 2000)	New Facility Open to Traffic Current (Dec 2003)	New Facility Open to Traffic Forecast (Dec 2003)
<i>Northern Bridge Group</i>			
New Benicia-Martinez Bridge	Jan 04	Dec 04	Oct 06 ²
Carquinez Bridge Replacement	Jan 03	Nov 03	Nov 03
Richmond-San Rafael Bridge Rehabilitation			
➤ West Trestle and Fender Rehabilitation ¹	Dec 04	Feb 05	Feb 05
➤ Deck Rehabilitation ¹	Sep 06	Jul 07	Jul 07
Richmond Parkway (<i>Non-Caltrans</i>)	Feb 01	May 01	May 01
<i>Southern Bridge Group</i>			
San Mateo-Hayward Bridge Widening			
➤ Widening	Dec 02	Nov 02	Nov 02
➤ West Approach Replacement Planting ¹	May 08	May 08	May 08
I-880/SR-92 Interchange Improvement	Dec 06	Jun 09	Jun 09
Dumbarton Bridge West Approach Projects			
➤ US-101/University Avenue Interchange Reconstruction (<i>Non-Caltrans</i>) ¹	Apr 00	Apr 00	Apr 00
➤ Bayfront Expressway (SR-84) Widening ¹	Mar 03	Jul 03	Jul 03

¹ For the Richmond-San Rafael Bridge Rehab, San Mateo-Hayward Bridge West Approach Planting, and Dumbarton Bridge West Approach projects, the dates shown reflect construction completion; the existing facility remains open to traffic during all phases of construction.

² Completion of the Benicia-Martinez Bridge is expected to be delayed approximately 24 months beyond the current schedule date of December 2004.

NEW BENICIA-MARTINEZ BRIDGE

The existing Benicia-Martinez Bridge provides Interstate 680 access across the Carquinez Strait between Contra Costa and Solano counties. This project will construct a new parallel Benicia-Martinez Bridge east of the existing span that will include the following features:

- Five northbound lanes on the new bridge (four mixed-flow lanes and one slow-vehicle lane) that will allow conversion of the existing bridge to southbound traffic only
- A new bicycle/pedestrian lane on the existing bridge
- A new toll plaza south of the new bridge in Contra Costa County with 17 toll booths, including two high-occupancy-vehicle (HOV) bypass lanes
- Reconstruction of the Interstate 680/Marina Vista Road and Interstate 680/Interstate 780 interchanges

Project Photos



Operations Building



Pier 9 – Third Lift Under Construction



Bent 18 Rock Socket Installation

Current Activities:

- On the new bridge contract, soffit and stem superstructure concrete is in place from the south abutment to Pier 4. The second deck section, from Pier 2 to Pier 3, was poured on December 15, 2003. All piles at Pier 6 and Pier 7 are driven to tip. The deep-water rotator is working at Pier 8 where five of nine rock sockets are complete. A second rotator completed the last of 9 rock sockets at Pier 16 on December 22, 2003 and is mobilizing at Pier 17. Concrete operations are complete for the third of three column lifts at Pier 9. The precast footing for Pier 13 is complete at Mare Island, and the precast footing for Pier 8 is near completion.
- On the I-680/I-780 interchange contract, formwork is in place for the I-780 to I-680 superstructure from Abutment 9 to Abutment 1 over existing traffic. Soffit and stem superstructure concrete is in place between Abutment 9 and Bent 5, and deck concrete was placed from Abutment 9 to Bent 7 on December 29, 2003. The abutments for the Arsenal Road Overcrossing are backfilled. On the Benicia shoreline, pile/rock socket installation continues at Bent 18. Mass earthwork operations have been discontinued for the winter duration and storm water pollution prevention measures are in place.
- On the toll plaza contract, the mechanical duct has been installed, encased in concrete, and backfilled in the toll plaza area. Footings for the pipe support columns at Bents 1-3 have been excavated, formed and poured. On the Operations Building perimeter, installation of aluminum composite panels is nearing completion. The barrier rail in front of the building was completed on December 19, 2003. Ceiling, lighting, and plumbing installation continue on the lower and main floors. The courtyard has been backfilled in preparation for concrete placement. Formwork is in place for the cantilever deck at the upper courtyard.
- On the I-680/Marina Vista interchange contract, the second of three deck sections for Frame 2 of the Mococo Overcrossing was poured on December 15, 2003. The back wall to Abutment 9 has been formed and poured. Falsework erection is in progress for the superstructure between Abutment 1 and Bent 3. All piles have been installed at Bent 4 and column pours have started. On the Mococo on-ramp, sheet piling is in place for pile installation from Abutment 1 to Bent 6. On the northbound Marina Vista off-ramp, installation of lightweight concrete fill is complete, and backfilling is complete on the east side. The temporary access to Retaining Wall 5 is excavated and tiebacks are currently being installed.

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NEW BENICIA-MARTINEZ BRIDGE

COST STATUS (\$ Million)	Baseline Budget (June 2000)	Current Budget (Dec 2003)	Current Forecast (Dec 2003)	Variance	Expended to Date (7/98 – 11/03)	Notes
Capital Outlay Construction						
South Approach	6.0	7.0	7.0	0.0	6.7	
New Bridge	247.3	307.5	307.5	0.0	169.5	A
Toll Plaza and Administration Building	22.8	21.4	21.4	0.0	10.9	
I-680/Marina Vista Interchange	43.2	45.1	45.1	0.0	22.8	
I-680/I-780 Interchange	80.8	54.7	54.7	0.0	36.8	
Other Budgeted Capital	28.1	30.0	30.0	0.0	1.7	
Capital Outlay Support	78.2	105.0	105.0	0.0	86.8	A
Capital ROW	21.1	20.9	20.9	0.0	11.5	
Non-BATA Funding	0.0	31.0	31.0	0.0	5.8	
Project (BATA) Contingency	58.4	30.1	282.1	252.0		A
Project Total (a)	586.0	652.8	904.8	252.0	352.2	A
(a) Totals may be rounded						

SCHEDULE STATUS	Baseline (June 2000)	Current (Dec 2003)	Forecast (Dec 2003)	Variance	Notes
Construction Contract Completion					
New Bridge	Jan 04	Dec 04	Dec 06	+24	A
Toll Plaza and Administration Building	Feb 03	May 04	Jan 05	+8	
I-680/Marina Vista Interchange	Dec 03	Dec 04	Jan 05	+1	
I-680/I-780 Interchange	Dec 03	Jan 05	Mar 05	+2	
I-680/I-780 I/C Electrical Completion		Jan 05	Jun 05	+5	B
South Approach	Mar 01	Oct 01	Oct 01	0	Complete
Modify Existing Bridge	Jul 05	Dec 06	Dec 06	0	
Project					
New Facility Open to Traffic	Jan 04	Dec 04	Oct 06	+22	A

NOTES	ACTION
<p>A. In addition to the significant cost and schedule impacts associated with the pile driving/fish takes mitigation strategy, other significant cost increases have been identified. These cost increases are associated with difficulty in driving the foundation piles to required tip elevation, installation of the foundation rock sockets below the pile tips, adjustments to the design of the superstructure, and additional support services. The total additional costs may exceed \$250 million. An estimate of the revised project cost will be included in a future PMP report. Construction completion of the new bridge is expected to be delayed in the order of 24 months beyond the current scheduled contract completion of December 2004.</p> <p>B. Electrical work on the I-680/I-780 contract cannot be completed prior to completion of the New Bridge.</p>	<p>Caltrans is evaluating the costs and schedule impacts. Bechtel will evaluate these impacts as they are developed by Caltrans. BATA is evaluating strategies to fund the cost overrun.</p> <p>Electrical work will be completed in conjunction with the New Bridge.</p>

CARQUINEZ BRIDGE REPLACEMENT

The existing Carquinez Bridge carries Interstate 80 traffic between the cities of Vallejo and Crockett on two separate bridges: the 1927 bridge for westbound traffic and the 1958 bridge for eastbound traffic. While the 1958 bridge is being strengthened under Caltrans' seismic retrofit program, the 1927 bridge has been identified as being seismically deficient and will be replaced under the RM 1 program. The Carquinez Bridge replacement project will construct a new suspension bridge west of the existing bridges. The existing 1927 bridge will be demolished after the completion of this project. The project will incorporate the following features:

- Four westbound lanes on the new bridge (three mixed-flow lanes and one HOV lane)
- A new bicycle/pedestrian lane on the new bridge



Westbound Off-ramp under Construction

Project Photos



Removing and Grinding Existing Pavement on North Side



Falsework Removal at Westbound Off-ramp

Current Activities:

- On the replacement bridge and north approach contract, the opening celebration was held on November 8, 2003. Traffic was directed to the new bridge on November 11, 2003 to begin Stage 3 (Phases 3 and 4) roadwork. Painting the underside of the bridge deck and miscellaneous touch up continue. Installation of earthquake monitoring instruments continues at Towers 2 and 3, in addition to installation of call boxes and miscellaneous handrail along the bridge deck. Staged roadwork at the north end of the bridge continues with grinding of pavement in the vicinity of the toll plaza. Construction completion of the contract is forecast for May 2004.
- On the south approach and interchange contract, the Crockett Viaduct opened to traffic on November 11, 2003. The westbound on-ramp to Interstate 80 opened on December 9, 2004. The traffic lights are functional on Pomona. Closure pours and installation of shear keys, joint seal assemblies and barrier rails continue on both the westbound and eastbound off-ramps. Concrete operations continue with closure and guardrail pours. Falsework removal continues for the off-ramps. Construction completion of the contract is forecast for February 2004.

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CARQUINEZ BRIDGE REPLACEMENT

COST STATUS (\$ Million)	Baseline Budget (June 2000)	Current Budget (Dec 2003)	Current Forecast (Dec 2003)	Variance	Expended to Date (7/98 - 11/03)	Notes
Capital Outlay Construction						
Replacement Bridge and North Approach	213.7	239.2	239.2	0.0	221.9	A
South Approach and Interchange	116.0	73.9	73.9	0.0	57.5	
Maintenance Facility (Phases I & II)	7.0	8.1	8.1	0.0	7.8	
1927 Bridge Demolition	16.0	16.0	16.0	0.0	0.0	
Other Budgeted Capital	10.6	11.5	11.5	0.0	6.3	
Capital Outlay Support	43.7	108.4	108.4	0.0	99.0	A
Capital ROW	9.6	11.1	11.1	0.0	9.6	
Project (BATA) Contingency	16.5	11.6	31.6	20.0		A
Project Total (a)	433.2	479.8	499.8	20.0	402.2	A

(a) Totals may be rounded

SCHEDULE STATUS	Baseline (June 2000)	Current (Dec 2003)	Forecast (Dec 2003)	Variance	Notes
Construction Contract Completion					
Replacement Bridge & North Approach	Dec 03	May 04	May 04	0	
South Approach and Interchange (Phase 1)	Feb 03	Nov 03	Nov 03	0	Complete
South Approach and Interchange (Phase 2)		Oct 04	Feb 04	-8	
Maintenance Facility	Mar 02	Sep 02	Sep 02	0	Complete
1927 Bridge Demolition	Mar 06	Mar 06	Mar 06	0	
Project					
New Facility Open to Traffic	Jan 03	Nov 03	Nov 03	0	

NOTES	ACTION
A. Based on current information, Bechtel estimates that potential claims and additional support services costs may increase the total project cost by an additional \$20 million for a total project cost of \$500 million. Bechtel will assist in the review of potential claims and support cost increases on the project. The results of this review will be included in a future PMP report.	Caltrans is seeking additional information in order to properly evaluate these potential cost increases.

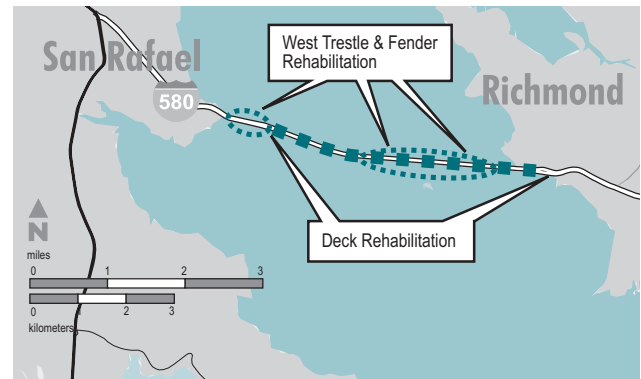
RICHMOND-SAN RAFAEL BRIDGE REHABILITATION

Completed in 1956, the Richmond-San Rafael Bridge provides access - via Interstate 580 - across San Francisco Bay between Marin and Contra Costa counties. Major rehabilitation of the bridge was specified in RM 1 to be eligible for toll funding.

Currently, there are two major rehabilitation projects planned for the bridge:

- The first project is to replace the western trestle (low-rise) section of the bridge near San Rafael and rehabilitate the ship collision protection fender system at various bridge piers. This rehabilitation work is being combined with a seismic retrofit project.
- The second project is to rehabilitate the existing concrete deck on the bridge. The cast-in-place concrete riding surface (deck) has been worn over

time due to traffic and exposure to the marine environment. This project will follow the completion of the trestle and fender rehabilitation project to avoid possible construction conflicts.



Project Photos



Overview of Trestle Rehab



Interior Construction Trestle

Current Activities:

- The west trestle replacement consists of rebuilding the eastbound and westbound trestles near San Quentin. The trestles are parallel for most of their length and diverge to carry traffic onto or from the upper or lower deck of the main bridge. The westbound trestle, serving the upper deck, is 2,844 feet (867 meters) between Bents 1 and 29; the eastbound trestle, serving the lower deck, is 3,635 feet (1,108 meters) between Bents 1 and 37. The trestle replacement procedure consists of reducing lane width, demolishing an 8 feet (2 meters) linear section of interior bridge deck, installing a temporary interior work trestle, and installing interior sixty-six inch (1,680 mm) cast-in-drilled-hole (CIDH) piles at the mid-span of every other existing 50-foot (15 meter) deck section. When installation of the interior piles is advanced, a similar operation is repeated on the exterior, where a section of exterior bridge deck is removed and exterior piles are installed. After installation of the piles, pile caps are cast in place below the existing superstructure, on the new interior and exterior piles. Following pile cap construction, one trestle at a time is closed at night for superstructure replacement. During closure, two of the existing 50-foot (15 meter) sections are removed and replaced with one new 100-foot (30 meter) precast section.
- Construction continues from west to east on the interior and exterior sections of the existing eastbound and westbound trestles. Interior pile installation is currently at Bent 30 of 37 with cleanout and concrete infill of the pile casings at Bents 25 and 26. Exterior pile installation has progressed to Bent 24 of 37. Pile caps have been installed from Bent 1 through Bent 12. Four precast deck sections are currently in place.

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RICHMOND-SAN RAFAEL BRIDGE REHABILITATION

COST STATUS (\$ Million)	Baseline Budget (June 2000)	Current Budget (Dec 2003)	Current Forecast (Dec 2003)	Variance	Expended to Date (7/98 - 11/03)	Notes
West Trestle and Fender Rehabilitation						
Capital Outlay Construction	33.9	0.0	0.0	0.0	0.0	
Capital Outlay Support	5.4	0.7	0.7	0.0	0.7	
Capital ROW	0.0	0.0	0.0	0.0	0.0	
Non-BATA Funding	0.0	34.6	34.6	0.0	20.8	
Project (BATA) Contingency	6.1	0.0	0.0	0.0		
Subtotal	45.4	35.4	35.4	0.0	21.6	
Deck Rehabilitation						
Capital Outlay Construction	33.0	33.0	33.0	0.0		
Capital Outlay Support	9.0	5.0	5.0	0.0	0.0	
Capital ROW	0.0	0.0	0.0	0.0	0.3	
Non-BATA Funding	0.0	4.0	4.0	0.0	0.0	
Project (BATA) Contingency	11.4	11.4	11.4	0.0	0.0	
Subtotal	53.4	53.4	53.4	0.0	0.3	
Project Total (a)	98.8	88.8	88.8	0.0	21.9	
(a) Totals may be rounded						

SCHEDULE STATUS	Baseline (June 2000)	Current (Dec 2003)	Forecast (Dec 2003)	Variance	Notes
Construction Contract Completion					
West Trestle and Fender Rehabilitation	Dec 04	Feb 05	Feb 05	0	A
Deck Rehabilitation	Sep 06	Jul 07	Jul 07	0	A
Project					
New Facility Open to Traffic					B

NOTES	ACTION
A. The deck rehabilitation will follow the completion of the retrofit project.	Caltrans is reviewing the forecast completion date of the deck rehabilitation contract.
B. The existing facility remains open to traffic during all phases of construction.	None.

SAN MATEO-HAYWARD BRIDGE WIDENING

In 1996, the western approach to the San Mateo-Hayward Bridge from U.S. Route 101 was widened from four to six lanes to match the configuration of the high-rise section of the bridge. The current project completed the widening work in this corridor along the low-trestle section of the bridge and its eastern approach to Interstate 880. The project includes the following features:

- Widening of the low-rise trestle and eastern approach from I-880 from four to six lanes with shoulders
- Extension of the existing west-bound HOV lane one mile west along the eastern approach from Interstate 880
- Construction of a new pedestrian/bicycle overcrossing of State Route 92
- Expansion of the existing toll plaza
- Improvements to the Hayward Shoreline Interpretive Center



Mini Toll Plaza

Project Construction Progress and Photos



Trestle looking west



Pedestrian Overcrossing

Current Activities:

- On the bridge-widening contract, construction is complete and both trestles are open to traffic. Caltrans accepted the contract on March 6, 2003 and is in the process of closing the contract and resolving claims on the project. Final settlement of outstanding claims may require utilization of project contingency.

BAY AREA TOLL AUTHORITY

SAN MATEO-HAYWARD BRIDGE WIDENING

COST STATUS (\$ Million)	Baseline Budget (June 2000)	Current Budget (Dec 2003)	Current Forecast (Dec 2003)	Variance	Expended to Date (7/98 – 11/03)	Notes
Widening						
Capital Outlay Construction						
Widen Trestle	124.8	128.9	128.9	0.0	126.4	A
Widen Roadway	29.2	26.1	26.1	0.0	25.5	
Construct Mini Toll Plaza	4.4	6.3	6.3	0.0	6.0	
Other Budgeted Capital	8.9	8.6	8.6	0.0	3.4	
Capital Outlay Support	15.5	40.1	40.1	0.0	32.9	
Capital ROW	1.5	1.5	1.5	0.0	0.5	
Project (BATA) Contingency	19.3	6.0	6.0	0.0		A
Subtotal	203.6	217.5	217.5	0.0	194.7	
West Approach Planting						
Capital Outlay Construction	0.2	0.2	0.2	0.0	0.0	
Capital Outlay Support	0.1	0.1	0.1	0.0	0.0	
Capital ROW	0.0	0.0	0.0	0.0	0.0	
Project (BATA) Contingency	0.1	0.1	0.1	0.0		
Subtotal	0.4	0.4	0.4	0.0	0.0	
Project Total (a)	204.0	217.9	217.9	0.0	194.7	
(a) Totals may be rounded						

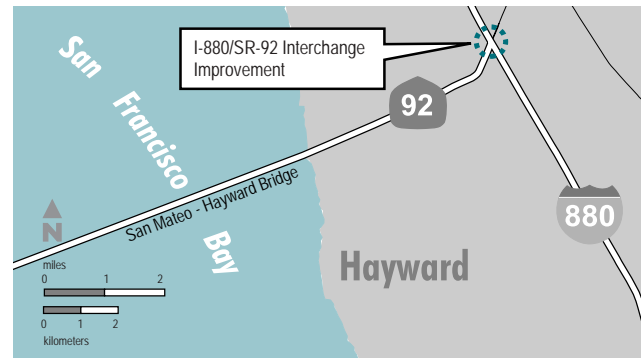
SCHEDULE STATUS	Baseline (June 2000)	Current (Dec 2003)	Forecast (Dec 2003)	Variance	Notes
Construction Contract Completion					
Widening					
Widen Trestle	Dec 02	Feb 03	Feb 03	0	Complete
Construct Mini Toll Plaza	Nov 02	Nov 02	Nov 02	0	Complete
Widen Eastern Approach	Nov 02	Sep 01	Sep 01	0	Complete
Pedestrian Overcrossing	Sep 02	Sep 02	Sep 02	0	Complete
West Approach Planting					
West Approach Replacement Planting	May 08	May 08	May 08	0	Complete
Project					
New Facility Open to Traffic	Dec 02	Nov 02	Nov 02		Complete
NOTES			ACTION		

A. Final settlement of outstanding claims may require utilization of the project contingency.

Caltrans is currently working with the contractor to resolve outstanding claims

I-880/SR-92 INTERCHANGE IMPROVEMENT

As part of an effort to improve traffic flow and to relieve congestion on the San Mateo-Hayward Bridge and its approaches, RM 1 identified the need to improve and reconstruct the Interstate 880/State Route 92 interchange. While still in the environmental clearance phase, the project proposes to modify the existing cloverleaf interchange to increase capacity and improve safety and traffic operations. Various alternatives are under consideration and are being assessed as part of the environmental process.



Project Photos



Existing Interchange; looking west



Alternative H Interchange; looking west

Current Activities:

- The Final Environmental Impact Statement Report (FEIS/R) for the project was approved by the Federal Highway Administration (FHWA) on December 29, 2003. A Record of Decision from FHWA is expected in February 2004 after the end of the 30 day comment period.
- Caltrans is currently preparing the plans, specifications, and estimates for the project. The forecast for sixty-five percent PS&E is February 2004.
- Based on the delayed project delivery and the associated escalation cost, the status code for the project cost is "yellow." As the design progresses, Bechtel will further review the cost estimates.

BAY AREA TOLL AUTHORITY

I-880/SR 92 INTERCHANGE IMPROVEMENT

COST STATUS (\$ Million)	Baseline Budget (June 2000)	Current Budget (Dec 2003)	Current Forecast (Dec 2003)	Variance	Expended to Date (7/98 – 11/03)	Notes
I-880/SR-92 Interchange Improvement						
Capital Outlay Construction	70.3	85.2	85.2	0.0	0.0	A
Capital Outlay Support	20.8	24.1	24.1	0.0	15.6	
Capital ROW	8.0	9.9	9.9	0.0	0.0	
Non-BATA Funding	0.0	9.6	9.6	0.0		
Project (BATA) Contingency	25.1	5.1	20.6	15.5		A
Project Total (a)	124.2	133.8	149.3	15.5	15.6	A
(a) Totals may be rounded						

SCHEDULE STATUS	Baseline (June 2000)	Current (Dec 2003)	Forecast (Dec 2003)	Variance	Notes
Construction Contract Completion					
I-880/SR-92 Interchange Improvement	Dec 06	Jun 09	Jun 09	0	
Project					
New Facility Open to Traffic	Dec 06	Jun 09	Jun 09	0	

NOTES	ACTION
A. Due to the delayed delivery of the project, additional funds may be necessary for escalation. Bechtel has forecast a potential project increase of \$15 million, resulting in a total project cost of \$150 million.	BATA will prepare a check estimate when 65% engineering design is achieved.

DUMBARTON BRIDGE WEST APPROACH PROJECTS

RM 1 identified the need for improvements to the western approaches to the Dumbarton Bridge. Through coordination with the City/County Association of Governments of San Mateo County, two projects were identified for toll bridge funding:

- The first project, sponsored by the City of East Palo Alto, modified the U.S. Route 101/University Avenue interchange. This project was designed to alleviate traffic congestion and improve overall traffic flow to University Avenue and the Dumbarton Bridge.
- The second project, sponsored by Caltrans, widened the Bayfront Expressway (State Route 84) from the Dumbarton Bridge to the U.S. 101/Marsh Road interchange. The six-lane expressway section from the bridge to University Avenue is reconstructed with upgraded shoulders and lane widths. The existing expressway section from University Avenue to Marsh Road is widened from four to six lanes.



Project Photos



SR-84 East from Chrysler Ave.



SR-84 West toward Marsh Rd.

Current Activities:

- The Bayfront Expressway (SR-84) widening contract was officially opened to traffic on July 29, 2003. All permanent lights at the intersections are operational. Camera and antenna installation, punchlist work and project closeout continue. Project closeout is forecast for January 15, 2004.
- A follow-on contract has been awarded at the Ravenswood Triangle for wetland reconstruction and habitat restoration for the water harvest mouse.

BAY AREA TOLL AUTHORITY

DUMBARTON BRIDGE WEST APPROACH PROJECTS

COST STATUS (\$ Million)	Baseline Budget (June 2000)	Current Budget (Dec 2003)	Current Forecast (Dec 2003)	Variance	Expended to Date (7/98 - 11/03)	Notes
US101/University Avenue Interchange Reconstruction (Non-Caltrans)						
Capital Outlay Construction						
US 101/University Ave. Interchange	3.8	3.8	3.8	0.0	3.7	
Capital Outlay Support	0.0	0.0	0.0	0.0	0.0	
Capital ROW	0.0	0.0	0.0	0.0	0.0	
Subtotal	3.8	3.8	3.8	0.0	3.7	
Capital Outlay Construction						
Bayfront Expressway (SR84) Widening	24.8	26.5	26.5	0.0	24.0	
Capital Outlay Support	4.4	8.7	8.7	0.0	7.5	
Capital ROW	1.3	0.2	0.2	0.0	0.2	
Project Contingency (BATA)	3.3	0.6	0.6	0.0		
Subtotal	33.8	36.0	36.0	0.0	31.7	
Project Total (a)	37.6	39.8	39.8	0.0	35.4	
(a) Totals may be rounded						

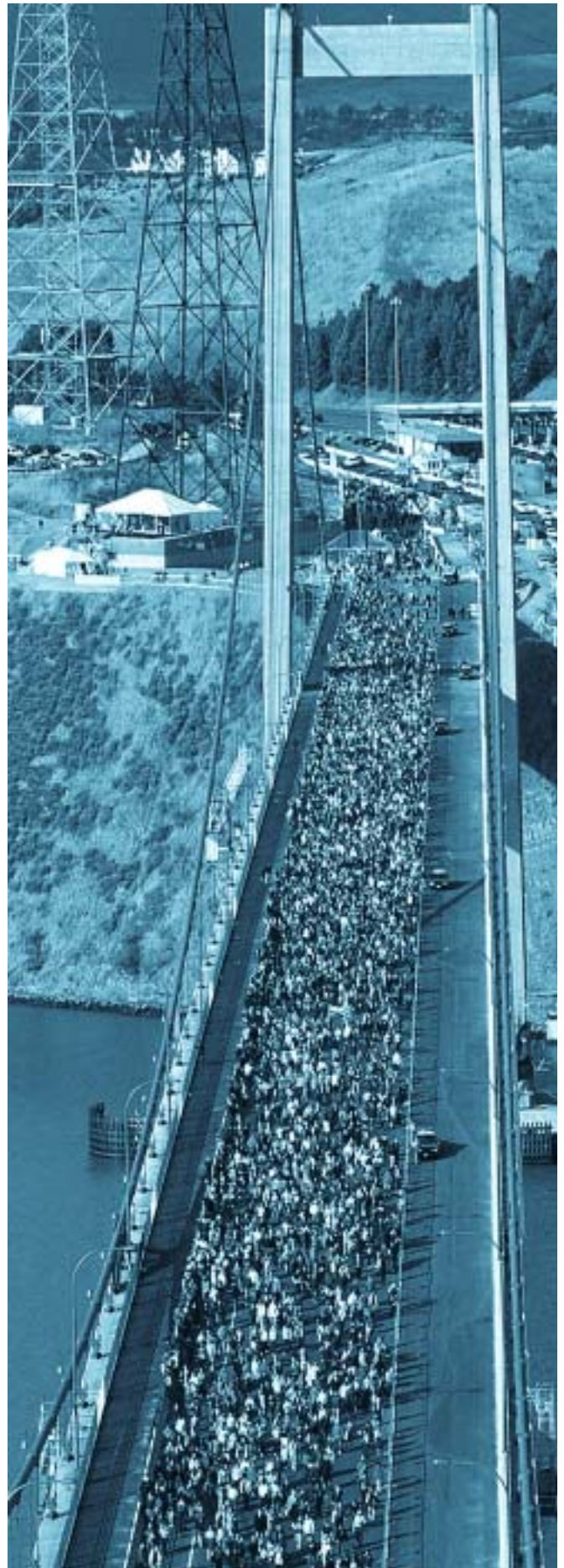
SCHEDULE STATUS	Baseline (June 2000)	Current (Dec 2003)	Forecast (Dec 2003)	Variance	Notes
<u>Construction Contract Completion</u>					
US 101/University Avenue Interchange Reconstruction (Non-Caltrans)	Apr 00	Apr 00	Apr 00	0	Complete
Bayfront Expressway (SR84) Widening	Mar 03	Dec 03	Jan 04	+1	
<u>Project</u>					
New Facility Open to Traffic	Mar 03	Jul 03	Jul 03	0	Complete
NOTES			ACTION		

APPENDICES

Appendix A: Project Budget Adjustments

Appendix B: Current Approved Contract Change Orders

Appendix C: Project Cost Summary Details



BAY AREA TOLL AUTHORITY

APPENDIX A – LIST OF PROJECT BUDGET ADJUSTMENTS

DEFINITIONS:

Baseline Budget (June 2000): Baseline budgets as established by BATA in June 2000 for each project within the overall program.

Current Budget: Budget currently serving as the baseline for monitoring purposes. The current budget is equal to the established June 2000 budget, plus or minus any adjustment as listed below.

Project Baseline Adjustments

Date	Description of Adjustment
10/2000	Current Budgets for allocated capital outlay adjusted by BATA to reflect current Caltrans construction contract allotments.
11/2000	Current Budgets for the Benicia-Martinez and Richmond-San Rafael Bridge projects revised to reflect new funding from Non-BATA sources per agreements with Caltrans and a Prop. 192 refund from Caltrans related to the Carquinez Bridge project.
01/2001	Current Budget for the Benicia-Martinez bridge revised to reflect allocations by BATA.
03/2001	Current Budget for the Carquinez Bridge revised by BATA.
10/2001	Current Budget for the Benicia-Martinez Bridge revised by BATA.
12/2001	Current Budgets for the Benicia-Martinez and San Mateo-Hayward Bridges revised by BATA.
06/2003	Current Budget for the Bayfront Widening project revised by BATA.

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**APPENDIX B – APPROVED CONTRACT CHANGE ORDERS (CCO)
FOR DECEMBER 2003
BENICIA-MARTINEZ BRIDGE**

Bridge/ Contract	CCO Number ¹	CCO Description	Funding Source ²	Impacts	
				Cost (\$1000's)	Schedule (Days)
New Bridge 04-006034	31.2	FBC Time Impact Jan 02-Apr 03	C	597.0	
	33.1	Additional Electrical Work	C	20.0	
	79.0	Pier 9 Precast Footing Corner Blockouts (Stage1)	C	18.0	
	80.1	Rock Sockets Pier 8 & 16	C	4,058.7	
	80.2	Rock Sockets Pier 8 & 16	C	8,041.5	
	87.0	Pier 9 Pile 5 Plumbness (Informal DRB)	C	134.0	
Subtotal				12,869.2	
Toll Plaza 04-006044		No Approved Change Orders for December 2003			
Subtotal				0.0	
MV/680 Interchange 04-006054	16.0	Revised Waterfront Road Structural Section	C	25.7	
Subtotal				25.7	
680/780 Interchange 04-006064		No Approved Change Orders for December 2003			
Subtotal				0.0	
South Approach 04-006094		Contract is Complete			
Totals for Dec 2003				12,894.9	

¹ Only approved CCOs for the month are listed in Appendix B.

² Funding Source(s)

S = Supplemental work

C = Construction contingency

BAY AREA TOLL AUTHORITY

**APPENDIX B – APPROVED CONTRACT CHANGE ORDERS (CCO)
FOR DECEMBER 2003
CARQUINEZ BRIDGE**

Bridge/ Contract	CCO Number ¹	CCO Description	Funding Source ²	Impacts	
				Cost (\$1000's)	Schedule
Carquinez Bridge Replacement 04-013014	91.0	FCI Labor/Material Escalation Closeout	C	4,341.0	
	121.0	DLH Cable Spinning Delays	C	1,675.2	
	141.0	Purchase T2 Trestle	C	524.6	
	150.0	Lane Closure Violation	C	-78.3	
Subtotal				6,462.5	
Crockett Interchange 04-013054	40-1	Additional Temporary Construction Fence	C	50.0	
	75-1	Redesign "A4W" Line Bent 7 Structural Steel	C	98.1	
	75-2	"A4W" Line Bent 7 Redesign Impacts	C	101.5	
	112-1	Revise DR2 Elevation and Drainage	C	116.9	
	117-2	Type K Tree Guying Change	C	1.6	
	124-1	Revised Drainage System No. 23	C	-3.9	
	127	Pedestrian Railing Changes	C	747.4	
	144	Dowrelia Slope Repairs	C	190.7	
	146	Revise Drainage System 15	C	-19.8	
	148	VDR/Pomona Conformity Changes	C	0.0	
	149	Pomona Street Stage Construction	C	37.7	
	153	WB Off-Ramp Work Schedule Changes	C	50.0	
	159	Shear Key Modifications at Hinge D3-2	C	20.0	
	161	Additional Road Signs for VDR	C	5.0	
Subtotal				1,395.1	
Maintenance Facility 04-013084		Contract is complete			
Subtotal				0.0	
Totals for Dec 2003				7,857.6	

¹ Only approved CCOs for the month are listed in Appendix B.

² Funding Source(s)
S = Supplemental work
C = Construction contingency

BAY AREA TOLL AUTHORITY

**APPENDIX B – APPROVED CONTRACT CHANGE ORDERS (CCO)
FOR DECEMBER 2003
SAN MATEO-HAYWARD BRIDGE**

Bridge/ Contract	CCO Number ¹	CCO Description	Funding Source ²	Impacts	
				Cost (\$1000's)	Schedule
Widen Trestle 04-045014		Contract is complete.			
Subtotal					
Mini-Toll Plaza 04-045024		Contract is complete.			
Subtotal					
Pedestrian Overcrossing 04-045044		Contract is complete.			
Subtotal					
Widen Roadway 04-045034		Contract is complete.			
Totals for Dec 2003				0.0	

¹ Only approved CCOs for the month are listed in Appendix B.

² Funding Source(s)
S = Supplemental work
C = Construction contingency

BAY AREA TOLL AUTHORITY

**APPENDIX B - APPROVED CONTRACT CHANGE ORDERS (CCO)
FOR DECEMBER 2003
DUMBARTON BRIDGE**

Bridge/ Contract	CCO Number ¹	CCO Description	Funding Source ²	Impacts	
				Cost (\$1000's)	Schedule
Bayfront Widening 04-015114		No Approved Change Orders for December 2003			
Totals for Dec 2003				0.0	

¹ Only approved CCOs for the month are listed in Appendix B.

² Funding Source(s)
S = Supplemental work
C = Construction contingency

BAY AREA TOLL AUTHORITY

APPENDIX C – PROJECT COST SUMMARY DETAILS

The following sheets provide detailed cost information for each of the bridge projects. Capital Outlay Support (Engineering), Capital Right-of-Way and Capital Outlay are shown for each of the projects. The Project (BATA) Contingency, as well as the bridge projects totals, is shown at the end of each bridge summary.

Definitions:

1. Capital Outlay Support includes both Caltrans and Architectural/Engineering (A/E) consultant support.
2. Capital Right of Way includes acquisition, loss of goodwill, demolition, utilities relocations, relocation assistance, title costs, and sale of excess lands.
3. Capital Outlay includes construction bid terms, external third party agreements, state-furnished materials, supplemental construction work, and construction contingencies.

Project Cost Summaries

(\$ Millions)

	EA Number	Baseline Budget Jun-00	Current Budget Dec-03	Current Forecast Dec-03	Net Change	Expended ¹ to Date (7/98 – 11/03)	Note
Northern Bridge Group							
<i>Project 2003 – New Benicia-Martinez Bridge</i>							
South Approach							
Capital Outlay Support	00609x	3.5	3.7	3.7	0.0	3.6	
Capital Right of Way	006099	7.0	7.7	7.7	0.0	7.2	
Capital Outlay	006094	6.0	7.0	7.0	0.0	6.7	
Total South Approach		16.5	18.4	18.4	0.0	17.5	
New Bridge							
Capital Outlay Support	00603x	31.9	42.3	42.3	0.0	37.8	
Capital Right of Way	006039	4.1	9.0	9.0	0.0	0.9	
Capital Outlay	006034	247.3	307.5	307.5	0.0	169.5	
Non-BATA Funding		0.0	10.1	10.1	0.0	4.3	
Total New Bridge		283.3	368.9	368.9	0.0	212.4	
Toll Plaza & Administration Building							
Capital Outlay Support	00604x	6.2	10.8	10.8	0.0	9.6	
Capital Right of Way	006049	0.0	0.0	0.0	0.0	0.0	
Capital Outlay	006044	22.8	21.4	21.4	0.0	10.9	
Total Toll Plaza & Admin.		29.1	32.2	32.2	0.0	20.5	
I-680/Marina Vista Interchange							
Capital Outlay Support	00605x	10.7	15.7	15.7	0.0	13.4	
Capital Right of Way	006059	7.4	2.0	2.0	0.0	1.9	
Capital Outlay	006054	43.2	45.1	45.1	0.0	22.8	
Total I-680/MV I/C		61.4	62.8	62.8	0.0	38.1	
I-680/I-780 Interchange							
Capital Outlay Support	00606x	18.7	25.1	25.1	0.0	18.7	
Capital Right of Way	006069	1.7	1.7	1.7	0.0	1.4	
Capital Outlay	006064	80.8	54.7	54.7	0.0	36.8	
Non-BATA Funding		0.0	20.9	20.9	0.0	1.5	
Total I-680/I-780 I/C		101.2	102.4	102.4	0.0	58.4	

¹ Unaudited

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Appendix C – Project Cost Summary Details (cont'd)

	EA Number	Baseline Budget Jun-00	Current Budget Dec-03	Current Forecast Dec-03	Net Change	Expended to Date (7/98 – 11/03)	Note
Project 2003 – New Benicia-Martinez Bridge (cont'd)							
Other Budgeted Capital							(a)
Capital Outlay Support		7.1	7.5	7.5	0.0	3.6	
Capital Right of Way		0.9	0.5	0.5	0.0	0.0	
Capital Outlay		28.1	30.0	30.0	0.0	1.7	
Total Other Budgeted Capital		36.1	37.9	37.9	0.0	5.3	
Total Capital Outlay Support		78.2	105.0	105.0	0.0	86.8	
Total Capital Right of Way		21.1	20.9	20.9	0.0	11.5	
Total Capital Outlay		428.2	465.8	465.8	0.0	248.3	
Non-BATA Funding		0.0	31.0	31.0	0.0	5.8	
Project Contingency (BATA)		58.4	30.1	282.1	252.0		
Total New Benicia-Martinez Bridge		586.0	652.8	904.8	252.0	352.2	
Project 3002 – Carquinez Bridge Replacement							
Replacement Bridge & North Approach							(b)
Capital Outlay Support	01301x	17.7	64.7	64.7	0.0	61.7	
Capital Right of Way	013019	3.0	3.0	3.0	0.0	3.3	
Capital Outlay	013014	213.7	239.2	239.2	0.0	221.9	
Total Replacement Bridge & N. Approach		234.4	306.9	306.9	0.0	287.0	
South Approach & Interchange							(c)
Capital Outlay Support	01305x	22.7	32.1	32.1	0.0	28.9	
Capital Right of Way	013059	5.0	5.0	5.0	0.0	4.9	
Capital Outlay	013054	116.0	73.9	73.9	0.0	57.5	
Total South Approach & I/C		143.7	110.9	110.9	0.0	91.3	
Maintenance Facility Phase I & II							(d)
Capital Outlay Support		0.7	4.7	4.7	0.0	4.4	
Capital Right of Way		1.6	1.6	1.6	0.0	1.4	
Capital Outlay		7.0	8.1	8.1	0.0	7.8	
Total Maint. Facility Ph I & II		9.3	14.5	14.5	0.0	13.6	
Demolition – 1927 Bridge							
Capital Outlay Support	01309x	2.0	5.2	5.2	0.0	2.7	
Capital Right of Way	013099	0.0	0.0	0.0	0.0	0.0	
Capital Outlay	013094	16.0	16.0	16.0	0.0	0.0	
Total Demo – 1927 Bridge		18.0	21.2	21.2	0.0	2.7	

Notes

- (a) Includes EA 00601*, 00608*, 0060A*, 0060C*, 0060F*, 0060G*, 0060H*
- (b) Includes EA 00453*, 01301*, 01303*, 01304*
- (c) Includes EA 01302*, 01305*, 04700*
- (d) Includes EA 00607*, 01308*

BAY AREA TOLL AUTHORITY

Appendix C – Project Cost Summary Details (cont'd)

	EA Number	Baseline Budget Jun-00	Current Budget Dec-03	Current Forecast Dec-03	Net Change	Expended to Date (7/98 – 11/03)	Note
Project 3002 - Carquinez Bridge Replacement (cont'd)							
Other Budgeted Capital							(e)
Capital Outlay Support		0.6	1.7	1.7	0.0	1.2	
Capital Right of Way		0.0	1.5	1.5	0.0	0.0	
Capital Outlay		10.6	11.5	11.5	0.0	6.3	
Total Other Budgeted Capital		11.2	14.7	14.7	0.0	7.5	
Total Capital Outlay Support		43.7	108.4	108.4	0.0	99.0	
Total Capital Right of Way		9.6	11.1	11.1	0.0	9.6	
Total Capital Outlay		363.3	348.7	348.7	0.0	293.6	
Project (BATA) Contingency		16.5	11.6	31.6	20.0		
Total Carquinez Bridge		433.2	479.8	499.8	20.0	402.2	
Project 4003 - Richmond-San Rafael Bridge – West Trestle and Fender Rehabilitation							
Capital Outlay Support	0438Ux	5.4	0.7	0.7	0.0	0.7	(f)
Capital Right of Way	0438U9	0.0	0.0	0.0	0.0	0.0	
Capital Outlay	0438U4	33.9	0.0	0.0	0.0	0.0	
Non-BATA Funding		0.0	34.6	34.6	0.0	20.8	
Project (BATA) Contingency		6.1	0.0	0.0	0.0		
Total R-SR Bridge – W. Trestle & Fender Rehabilitation		45.4	35.4	35.4	0.0	21.6	
Project 4002 - Richmond-San Rafael Bridge – Deck Rehabilitation							
Capital Outlay Support	04152x	9.0	5.0	5.0	0.0	0.3	
Capital Right of Way	041529	0.0	0.0	0.0	0.0	0.0	
Capital Outlay	041524	33.0	33.0	33.0	0.0	0.0	
Non-BATA Funding		0.0	4.0	4.0	0.0	0.0	
Project (BATA) Contingency		11.4	11.4	11.4	0.0		
Total R-SR Bridge – Deck Rehab		53.4	53.4	53.4	0.0	0.3	
Richmond Parkway (Non-Caltrans)							
Capital Outlay Support	non-Caltrans	0.0	0.0	0.0	0.0	0.0	
Capital Right of Way	non-Caltrans	0.0	0.0	0.0	0.0	0.0	
Capital Outlay	non-Caltrans	5.9	5.9	5.9	0.0	2.4	(g)
Total Richmond Parkway		5.9	5.9	5.9	0.0	2.4	
Total Northern Bridge Group		1123.9	1227.2	1499.2	272.0	778.8	

Notes

(e) Includes EA 01306*, 01307*, 0130A*, 0130C*, 0130D*, 0130F*, 0130G*, 0130H*, 0130J*, 0130X*

(f) Includes EA 04382*, 04383*, 0438U*

(g) Total reimbursements made to the City of Richmond for current allocation.

BAY AREA TOLL AUTHORITY

Appendix C – Project Cost Summary Details (cont'd)

	EA Number	Baseline Budget Jun-00	Current Budget Dec-03	Current Forecast Dec-03	Net Change	Expended to Date (7/98 – 11/03)	Note
Southern Bridge Group							
Project 6004 – San Mateo-Hayward Bridge Widening							
Widen Trestle							
Capital Outlay Support	04501x	7.9	22.8	22.8	0.0	20.5	(h)
Capital Right of Way	045019	0.0	0.0	0.0	0.0	0.0	
Capital Outlay	045014	124.8	128.9	128.9	0.0	126.4	
Total Widen Trestle		132.7	151.7	151.7	0.0	147.0	
Widen Roadway							
Capital Outlay Support	04503x	4.3	6.0	6.0	0.0	6.0	
Capital Right of Way	045039	1.0	0.0	0.0	0.0	0.0	
Capital Outlay	045034	29.2	26.1	26.1	0.0	25.5	
Total Widen Roadway		34.5	32.1	32.1	0.0	31.4	
Construct Mini Toll Plaza							
Capital Outlay Support	04502x	1.7	3.8	3.8	0.0	2.4	
Capital Right of Way	045029	0.0	0.0	0.0	0.0	0.0	
Capital Outlay	045024	4.4	6.3	6.3	0.0	6.0	
Total Mini Toll Plaza		6.1	10.1	10.1	0.0	8.4	
Other Budgeted Capital							
Capital Outlay Support		1.6	7.5	7.5	0.0	4.0	(i)
Capital Right of Way		0.5	1.5	1.5	0.0	0.5	
Capital Outlay		8.9	8.6	8.6	0.0	3.4	
Total Other Budgeted Capital		11.0	17.6	17.6	0.0	7.9	
Total Capital Outlay Support		15.5	40.1	40.1	0.0	32.9	
Total Capital Right of Way		1.5	1.5	1.5	0.0	0.5	
Total Capital Outlay		167.3	169.9	169.9	0.0	161.3	
Project (BATA) Contingency		19.3	6.0	6.0	0.0		
Total San Mateo-Hayward Bridge Widening		203.6	217.5	217.5	0.0	194.7	
San Mateo-Hayward Bridge – West Approach Replacement Planting							
Capital Outlay Support	04860x	0.1	0.1	0.1	0.0	0.0	
Capital Right of Way	048609	0.0	0.0	0.0	0.0	0.0	
Capital Outlay	048604	0.2	0.2	0.2	0.0	0.0	
Project (BATA) Contingency		0.1	0.1	0.1	0.0		
Total SM-H Bridge W. Approach Replacement Planting		0.4	0.4	0.4	0.0	0.0	

Notes:

(h) Includes EA 04501*

(i) Includes EA 00305*, 04504*, 04505*, 04506*, 04507*, 04508*, 04509*

BAY AREA TOLL AUTHORITY

Appendix C – Project Cost Summary Details (cont'd)

	EA Number	Baseline Budget Jun-00	Current Budget Dec-03	Current Forecast Dec-03	Net Change	Expended to Date (7/98 – 11/03)	Note
I-880/SR-92 Interchange Improvement							(j)
Capital Outlay Support	23317x	20.8	24.1	24.1	0.0	15.6	
Capital Right of Way	233179	8.0	9.9	9.9	0.0	0.0	
Capital Outlay	233174	70.3	85.2	85.2	0.0	0.0	
Non-BATA Funding		0.0	9.6	9.6	0.0		
Project (BATA) Contingency		25.1	5.1	20.6	15.5		
Total I-880/SR-92 I/C Improve.		124.2	133.8	149.3	15.5	15.6	
Dumbarton Bridge West Approach Projects							
US101/University Avenue Interchange Reconstruction (non-Caltrans)							
Capital Outlay Support		0.0	0.0	0.0	0.0	0.0	
Capital Right of Way		0.0	0.0	0.0	0.0	0.0	
Capital Outlay		3.8	3.8	3.8	0.0	3.7	(k)
Total US-101/University Ave.		3.8	3.8	3.8	0.0	3.7	
Bayfront Expressway (SR-84) Widening							(l)
Capital Outlay Support	00487x	4.4	8.7	8.7	0.0	7.5	
Capital Right of Way	004879	1.3	0.2	0.2	0.0	0.2	
Capital Outlay	004874	24.8	26.5	26.5	0.0	24.0	
Project (BATA) Contingency		3.3	0.6	0.6	0.0		
Total Bayfront Expressway (SR-84)		33.8	35.9	35.9	0.0	31.7	
Total Southern Bridge Group		365.7	391.4	406.9	15.5	245.7	

Notes:

(j) Includes EA 01601* and 01602*

(k) Total reimbursements made to the City of East Palo Alto for current allocation.

(l) Includes EA 01511* and 01512*

General Notes:

1. Capital outlay support includes both Caltrans and Architectural/Engineering (A/E) consultant support.
2. Capital right of way includes acquisition, loss of goodwill, demolition, utilities relocations, relocation assistance, title costs, and sale of excess lands.
3. Capital outlay includes construction bid items, supplemental construction work, state furnished materials, construction contingencies, and external third party agreements.

PHOTOS



Benicia New Bridge Deck Pour



Benicia New Bridge Foundation Installation



Marina Vista Interchange Column and Deck Construction



Marina Vista Interchange Deck Pour



I-680/I-780 Connector Deck Reinforcing Steel



Benicia Toll Plaza Tunnel

PHOTOS



Carquinez Westbound Off-ramp Under Construction



Carquinez Westbound On-ramp to I-80



Carquinez North Side - Removing and Grinding Existing Pavement



Richmond-San Rafael Exterior Pile Installation



Richmond-San Rafael Interior Work Trestle



Richmond-San Rafael Pile Cap Construction